GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:1919
ANSWERED ON:29.11.2001
GENERATION OF POWER IN THE COUNTRY
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Will the Minister of POWER be pleased to state:

(a) the material being used as fuel for generation of power in the country;

(b) the generation capacity of the power projects under construction, based on each of such fuel material;

(c) the estimated maximum and minimum cost of power generation under each category of the said power project; and

(d) the estimated cost of each category of power project under construction, at present?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA)

(a) : The material being used as fuel for generation of power in the country are broadly classified as coal (including lignite), Gas and Liquid Fuel.

Hydroelectric power projects utilize available water for power generation and do not need fuel for power generation.

(b) : The fuel wise generation capacity of the projects under construction during the remaining period of the 9th Plan and the 10th Plan is given as under :

Type of Fuel	Capacity under construction in the remaining period of the 9th Plan (MW)	Capacity under construction for 10th Plan (MW)
Coal (including Lignite)	710	5440.00
Gas	397.7	1861.105
Liquid Fuel	106	118.632

(c) : Levelised tariff is taken as the cost of power generation under each category of thermal power projects. The levelised tariffs are based on Government of India norms considering 68.5% PLF, 12% discount rate, tentative financial packages submitted by the promoters/project authorities (at the time of TEC) and the exchange rate prevailing at the time of TEC. The maximum and minimum levelised tariffs in regard to each category of thermal power projects based on different fuel materials are furnished as follows :

Fuel	Maximum levelised tariff (Rs./Kwh)	Minimum levelised tariff (Rs./Kwh)
Coal	3.46	1.63
Gas	3.06	1.88
Liquid Fuel	3.99	2.43

(d) : The average estimated cost per MW of coal based, gas based and liquid fuel based thermal power projects presently under construction is in the following range :-

Coal based projects	Rs.2.92 Crore to 5.35 Crore
Gas	Rs.3.26 crore to 4.54 crore
Liquid Fuel	Rs.3.16 crore to 3.8 crore